

IN THE CLAIMS:

This Listing of Claims will replace all prior versions, and listings, of claims in the subject Patent Application:

Listing of Claims:

1. (Currently Amended) A capacitive touchpad integrated with key and handwriting functions, comprising:

a panel for touch inputting;

a first pattern on said panel for representing a mode switch to switch said touchpad between a key mode and a handwriting mode;

a plurality of regions selectively defined on said panel responsive to actuation of said mode switch; and

a plurality of second patterns selectively defined on said plurality of regions for operation in said key and handwriting modes.

2. (Original) A capacitive touchpad of claim 1, further comprising a mouse mode for switching thereto by touching said first pattern.

3. (Original) A capacitive touchpad of claim 1, further comprising an LCD for displaying an input from said panel.

4. (Currently Amended) A capacitive touchpad ~~of claim 1~~ integrated with key and handwriting functions, comprising:

a panel for touch inputting;

a first pattern on said panel for representing a mode switch to switch said touchpad between a key mode and a handwriting mode;

a plurality of regions defined on said panel; and

a plurality of second patterns on said plurality of regions for operation in said key and handwriting modes;

wherein said panel comprises:

a substrate selected from the group consisting of PCB, membrane and transparent plate;

a conductor wiring on said substrate; and

an insulator covered on said conductor wiring.

5. (Original) A capacitive touchpad of claim 4, wherein said conductor wiring comprises an ITO.

6. (Original) A capacitive touchpad of claim 4, wherein said insulator is transparent.

7. (Original) A capacitive touchpad of claim 1, further comprising a backlight for said panel.

8. (Original) A capacitive touchpad of claim 1, further comprising a recognition module for recognizing an input trace onto said panel in said handwriting mode.

9. (Original) A capacitive touchpad of claim 1, further comprising a judgment module for determining a number of fingers touching onto said panel.

10. (Original) A capacitive touchpad of claim 1, wherein said plurality of second patterns comprises a plurality of key patterns for performing a telephone keyboard.

11. (Currently Amended) A mobile telephone characterized in a capacitive touchpad included thereon, said capacitive touchpad comprising:

a panel for touch inputting;

a first pattern on said panel for representing a mode switch to switch said touchpad between a key mode and a handwriting mode;

a plurality of regions selectively defined on said panel responsive to actuation of said mode switch; and

a plurality of second patterns selectively defined on said plurality of regions for operation in said key and handwriting modes.

12. (Original) A mobile telephone of claim 11, wherein said capacitive touchpad further comprising a mouse mode for switching thereto by touching said first pattern.

13. (Original) A mobile telephone of claim 11, further comprising an LCD for displaying an input from said panel.

14. (Currently Amended) A mobile telephone ~~of claim 11~~ characterized in a capacitive touchpad included thereon, said capacitive touchpad comprising:

a panel for touch inputting;

a first pattern on said panel for representing a mode switch to switch said touchpad between a key mode and a handwriting mode;

a plurality of regions defined on said panel; and

a plurality of second patterns on said plurality of regions for operation in said key and handwriting modes;

wherein said panel comprises:

a substrate selected from the group consisting of PCB, membrane and transparent plate;

a conductor wiring on said substrate; and
an insulator covered on said conductor wiring.

15. (Original) A mobile telephone of claim 14, wherein said conductor wiring comprises an ITO.

16. (Original) A mobile telephone of claim 14, wherein said insulator is transparent.

17. (Original) A mobile telephone of claim 11, further comprising a backlight for said panel.

18. (Original) A mobile telephone of claim 11, further comprising a recognition module for recognizing an input trace onto said panel in said handwriting mode.

19. (Original) A mobile telephone of claim 11, further comprising a judgment module for determining a number of fingers touching onto said panel.

20. (Original) A mobile telephone of claim 11, wherein said plurality of second patterns comprises a plurality of key patterns for performing a telephone keyboard.

21. (Currently Amended) A capacitive touchpad integrated with key and mouse functions, comprising:

a panel for touch inputting;

a first pattern on said panel for representing a mode switch to switch said touchpad between a key mode and a mouse mode;

a plurality of regions selectively defined on said panel responsive to actuation of said mode switch; and

a plurality of second patterns selectively defined on said plurality of regions for operation in said key and mouse modes.

22. (Original) A capacitive touchpad of claim 21, further comprising a handwriting mode for switching thereto by touching said first pattern.

23. (Original) A capacitive touchpad of claim 21, further comprising an LCD for displaying an input from said panel.

24. (Currently Amended) A capacitive touchpad ~~of claim 21~~ integrated with key and mouse functions, comprising:

a panel for touch inputting;

a first pattern on said panel for representing a mode switch to switch said touchpad between a key mode and a mouse mode;

a plurality of regions defined on said panel; and

a plurality of second patterns on said plurality of regions for operation in said key and mouse modes;

wherein said panel comprises:

a substrate selected from the group consisting of PCB, membrane and transparent plate;

a conductor wiring on said substrate; and

an insulator covered on said conductor wiring.

25. (Original) A capacitive touchpad of claim 24, wherein said conductor wiring comprises an ITO.

26. (Original) A capacitive touchpad of claim 24, wherein said insulator is transparent.

27. (Original) A capacitive touchpad of claim 21, further comprising a backlight for said panel.

28. (Original) A capacitive touchpad of claim 22, further comprising a recognition module for recognizing an input trace onto said panel in said handwriting mode.

29. (Original) A capacitive touchpad of claim 21, further comprising a judgment module for determining a number of fingers touching onto said panel.

30. (Original) A capacitive touchpad of claim 21, wherein said plurality of second patterns comprises a plurality of key patterns for performing a telephone keyboard.

31. (Currently Amended) A capacitive touchpad integrated with mouse and handwriting functions, comprising:

a panel for touch inputting;

a first pattern on said panel for representing a mode switch to switch said touchpad between a mouse mode and a handwriting mode;

a plurality of regions selectively defined on said panel responsive to actuation of said mode switch; and

a plurality of second patterns selectively defined on said plurality of regions for operation in said mouse and handwriting modes.

32. (Original) A capacitive touchpad of claim 31, further comprising a key mode for switching thereto by touching said first pattern.

33. (Original) A capacitive touchpad of claim 31, further comprising an LCD for displaying an input from said panel.

34. (Currently Amended) A capacitive touchpad ~~of claim 31~~ integrated with mouse and handwriting functions, comprising:

a panel for touch inputting;

a first pattern on said panel for representing a mode switch to switch said touchpad between a mouse mode and a handwriting mode;

a plurality of regions defined on said panel; and

a plurality of second patterns on said plurality of regions for operation in said mouse and handwriting modes;

wherein said panel comprises:

a substrate selected from the group consisting of PCB, membrane and transparent plate;

a conductor wiring on said substrate; and

an insulator covered on said conductor wiring.

35. (Original) A capacitive touchpad of claim 34, wherein said conductor wiring comprises an ITO.

36. (Original) A capacitive touchpad of claim 34, wherein said insulator is transparent.

37. (Original) A capacitive touchpad of claim 31, further comprising a backlight for said panel.

38. (Original) A capacitive touchpad of claim 31, further comprising a recognition module for recognizing an input trace onto said panel in said handwriting mode.

39. (Original) A capacitive touchpad of claim 31, further comprising a judgment module for determining a number of fingers touching onto said panel.

40. (Original) A capacitive touchpad of claim 31, wherein said plurality of second patterns comprises a plurality of key patterns for performing a telephone keyboard.